# CoMPASS

## Compact Multi-Purpose Advanced Stabilized System

## Technical Data

| | |
|---|---|
| **System** | |
| • Angular Coverage | |
| - Azimuth | N x 360˚ |
| - Elevation | -35˚ to +120˚ |
| **3rd Generation FLIR** | 3-5 µm FPA 320 x 256 + MicroScan |
| • Fields of View | |
| - Narrow | 0.61˚ x 0.46˚ |
| - Medium | 2˚ x 1.5˚ |
| - Wide | 13.7˚ x 10.2˚ |
| | Electronic Zoom x2, x3 |
| | Continuous Zoom (option) |
| • PIP- Picture In Picture | |
| **TV Color or B/W** | 1/3 in, CCD Detector, 450-750 nm |
| • Fields of View | |
| - Narrow | 0.7˚ x 0.52˚ |
| | Continuous Zoom |
| - Wide | 13.7˚ x 10.3˚ |
| | Electronic Zoom x2, x3 |
| • PIP- Picture In Picture | |
| **Eyesafe Laser Rangefinder** | Er: Glass, 1.54 µm, 1pps, 5pps bursts |
| • Operational Range | |
| - Minimum | 100 m |
| - Maximum | 20 km |
| **Laser Target Illuminator** | NVG Visible |
| • Spectral Bandwidth | 830 nm |
| • Output Power | 50 mW |
| • Range Capability | 10 km |
| **Laser Designator** | Diode Pumped Advanced Technology |
| • Wavelength | 1.064 µm |
| • Pulse Energy | 80 mJ |
| • Pulse Repetition Rate | up to 20 pps |
| **Video Output** | NTSC or CCIR (RS-170 or PAL) |
| **External Interface** | MIL-STD-1553 BUS Interface or RS 422 |
| **Weight** | |
| • Without Designator | < 35 kg |
| • With Designator | < 38 kg |
| **Environmental Conditions** | MIL-STD-810 |

Note: Parameters may be altered to comply with customer specifications. ELOP - ElectroOptics Industries Ltd., reserves the right to make such alterations in design, dimensions, specifications, and manufacture as are deemed necessary to ensure continual improvement.

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CoMPASS (Marine) 03/04 ShOr 1000 V2

# CoMPASS

## Compact Multi-Purpose Advanced Stabilized System

## for Marine Combat Vessels

**ELOP's CoMPASS is a multi-sensor stabilized marine system designed for day and night scanning, tracking, observation, range measurement, aiming and targeting (designation) of marine, ground and air targets.**

**CoMPASS- the Next Generation stabilized LOS reconnaissance solution for naval vessels.**

**CoMPASS- part of the ELOP family of naval stabilized battle proven payloads, used by the Israel Navy, Air Force, and other customers world-wide.**

**Withstands even the harshest of marine environments**

**Typical CoMPASS Configuration:**

- Stabilized Turret Assembly, including Main Electronic Unit with Autotracker
  - Monitor
  - Operator's Control Panel
  - Video Cassette Recorder
  - AC/DC Converter

**This state-of-the-art, 4 sensors payload comprises:**

- 3rd Generation, 3-5 µm FPA FLIR
- Color or B/W TV Camera
- Eyesafe Laser Rangefinder or Diode Pumped Advanced Designator
- Laser Target Illuminator

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